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PAT-NO: JP410268224A  
DOCUMENT-IDENTIFIER: JP 10268224 A  
TITLE: OPTICAL DEFLECTOR  
PUBN-DATE: October 9, 1998

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APPL-NO: JP09071774  
APPL-DATE: March 25, 1997

INT-CL (IPC): G02B026/10

ABSTRACT:

PROBLEM TO BE SOLVED: To reduce a cost and assembling manhour by making the function of a constituting element of a rotor part intensive and reducing a number of parts.

SOLUTION: A rotor part is freely rotatably supported by a shaft 4 uprightly provided on an optical housing 2 through bearings 12, 14 and a driving substrate 10 having a stator coil 8 is mounted at the upper end of the shaft 4. A flange part 16a is formed in a housing 16 in the rotor part and the upper and lower surfaces are reference surfaces 16b, 16c closely sticking to/supporting the respective polygon mirrors 50, 52. The polygon mirror 50 on the lower side is pressurized by elastic force of a pressing member 22 fixed to the housing 16 and the polygon mirror 52 on the upper side is pressurized by elastic force of a spring part 18b formed by cutting and raising a part of a magnet yoke 18 supporting a rotor magnet 20.

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